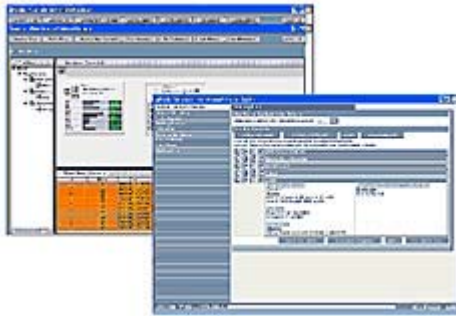


Essentra™ OSS, Operational Support Server



Centralized, web-based management system, enabling remote element management, service configuration, monitoring and provisioning

In multi-vendor next generation networks, comprehensive and open management systems are vital for providing customers with continuous high-quality service. The Essentra OSS Operational Support Server is a centralized, web-based management system enabling remote element management, service configuration, monitoring and provisioning for the Essentra products.

Equipped with a user-friendly GUI for service configuration, the Essentra OSS provides intuitive tools to configure ILD/NLD trunking, IP peering (exchange) and enhanced services, enabling rapid service provisioning and hence fast time-to-market. The Essentra OSS provides powerful management features designed to maximize the efficiency of your network operations including mass configuration of network elements, "one-stop" network-wide service configuration, rapid provisioning of complex routing plans and role-based security. The system allows for configuring network elements and services with zero downtime while its scalability meets the demands of even the largest global networks.

The Essentra OSS provides a centralized, flexible and customizable management system that can be easily integrated into existing systems environment providing an overall view of the entire network at all technology layers.

The Essentra OSS is a part of VocalTec's Essentra™ Softswitch Solution for next generation network operators.

Essentra™ OSS Highlights

- **Rapid service provisioning and configuration** for fast time-to-market
- Centralized real-time **fault and alarm management**
- **Remote web-based management** from virtually any location reduces operational costs
- **Service-level provisioning** automates the provisioning process and eliminates the need to provision each machine separately
- **Secure management protocols** using SNMPv3 and HTTPS



Powerful and Rapid Service Configuration

Service providers require increasingly sophisticated routing capabilities as their networks grow in size and complexity. The Essentra OSS provides a web-based GUI for performing service configuration, including routing and service policies. Routing plans are easily configured through the use of re-usable service building blocks. Once the service is configured, the system automatically updates all network elements. This powerful application is both easy to use and administer, requiring only an industry-standard web browser on the user's desktop.

Reduced Operational Costs and Easy Maintenance

The Essentra OSS enables system administrators to efficiently configure and manage network elements from a centralized location, without having to manually configure each device separately. This minimizes the time and resources required for system maintenance, enabling you to reduce operational costs. Web-based tools for element configuration and service provisioning from virtually any remote location maximize operational efficiency, enabling carriers to improve customer satisfaction and achieve a rapid return on investment.

Centralized Fault Management Ensures Optimal Service Levels

Efficient network operation is critical to provide uninterrupted and error-free quality service and to meet or exceed carriers' 99.999% availability requirements. The Essentra OSS provides a view across the packet telephony network that accurately ensures quality, reliability and proactive service assurance. By constantly checking the monitored devices for potential faults, problems can be identified before they affect service, reducing fixing costs and increasing system availability. Active alarms are displayed in real-time including alarms coming from signaling gateways regarding a failed SS7 link or from an Essentra CX reporting network problems.

Carrier-Grade Reliability and Availability

Based on the IBM platform with NEBS level 3 compliance including resilient features, the Essentra OSS is a carrier-grade management solution designed to provide top quality and availability for network operators. The system supports gradual upgrades and manages a virtually unlimited number of SIP, H.323 and Megaco/H.248 compliant network elements.

Advanced Security Features

Comprehensive system security prevents access from unauthorized users. Role-based security allows each administrator to view and configure only the relevant devices in the system based on that user's task and role in the company. In addition, Essentra provides secure communication between the Essentra OSS server and the devices via SNMPv3 and HTTPS.



Standards Compliant

The Essentra OSS is based on the Telecommunication Management Network (TMN) model to meet Tier 1 carriers' requirements and expectations. The product resides on both the Element Management Layer, performing the EMS function for Essentra, and on the Network Management Layer performing network wide functions, while also partly covering the Service Management Layer.

Supported Protocols/Standards

- SNMPv3
- HTTP/HTTPS
- ITU X.700: X.731 (State Management Function), X.733 (Alarm Reporting Function)
- SNMP MIBs: SIP MIB , Network Services Monitoring MIB (RFC2788), Entity State MIB, Alarm MIB
- XML